

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Brian Philip Allen et al.

Int'l Application No. : PCT/GB2003/002756

U.S. Application No. : 10/519,518 Int'l Filing Date : June 27, 2003

Title : ELECTROCHEMICAL SENSING USING AN ENZYME

ELECTRODE

Docket No. : 310134.401USPC

Date : July 18, 2005

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Form PTO-1449. Copies of the cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of all other cited references are enclosed. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC

Stephen J. Rosenman, Ph.D. Registration No. 43,058

Enclosures:

Postcard Form PTO-1449 Cited References (22)

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1. " FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE ATTY, DOCKET NO. APPLICATION NO. (REV.7-80) PATENT AND TRADEMARK OFFICE 310134.401USPC 10/519,518 APPLICANTS Brian Philip Allen et al. INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) INT'L FILING DATE GROUP ART UNIT 1795 June 27, 2003 ILS. PATENT DOCUMENTS *EXAMINER FILING DATE DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE /K.S./ 4.595,479 06/17/86 Kimura et al. 204 294 AA AR 4.704.193 11/03/87 Bowers et al. 204 1 T AC 6.492,132 12/10/02 Roberts et al. 435 25 FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COLINTRY YES /KS/ 0 184 909 A2 06/18/86 EP ΑD 2 313 912 A 12/10/97 GB AF 04/20/00 WO 00/22158 WIPO AF 199 57 826 C1 06/21/01 DE (+ Abstract in English) 1 199 560 A1 04/24/02 EP (+ Abstract in English) ΑH 2 391 945 A 02/18/04 GB OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) Allen, P., et al., "Surface Modifiers for the Promotion of Direct Electrochemistry of /K.S./ Cytochrome," J. Electroanal. Chem., 178:69-86, 1984. Chaubey, A., et al., "Mediated Biosensors," Biosensors & Bioelectronics, 17(6-7):441-56, AK June 2002. Estabrook, R., et al., "The Use of Electrochemistry for the Synthesis of 17 Alpha-AL Hydroxyprogesterone by a Fusion Protein Containing P450c17," Endocr Res. 22(4):665-71, November 1996. Habermüller, K., et al., "Electron-transfer Mechanisms in Amperometric Biosensors," AM Fresenius J Anal Chem., 366(6-7):560-8, March-April 2000. Christensen & Hamnett, Techniques and Mechanisms in Electrochemistry of Cytochrome, AN Blackwell Academic Press, London, 1994, pp. 356-373. Heering, H., et al., "Direct Detection and Measurement of Electron Relays in a AO Multicentered Enyme: Voltammetry of Electrode-Surface Films of E. coli Fumarate

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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DATE CONSIDERED

/Kourtney Salzman/

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